

Title (en)

ELECTROMOTOR ACTUATOR FOR THE CENTRAL DOOR LOCKING SYSTEM OF A MOTOR VEHICLE.

Title (de)

ELEKTROMOTORISCHER STELLANTRIEB FÜR EINE ZENTRALE TÜRVERRIEGELUNGSANLAGE EINES KRAFTFAHRZEUGS.

Title (fr)

SERVOMOTEUR ELECTRIQUE POUR LE SYSTEME CENTRAL DE VERROUILLAGE DES PORTES D'UN VEHICULE A MOTEUR.

Publication

EP 0551491 B1 19951004 (DE)

Application

EP 92916936 A 19920729

Priority

- DE 4125448 A 19910801
- EP 9201719 W 19920729

Abstract (en)

[origin: DE4125448A1] An electromotor actuator for the central door locking system of a motor vehicle has a housing and a first bolt that can be moved by a first electromotor between two end positions and that can be linked to a door lock of the motor vehicle, regardless of its direction. The bolt is preferably decoupled from the electromotor in its end position, so that it can be easily moved by hand between its end positions. This electromotor actuator comprises an anti-theft protection in that it makes it impossible to unlock the doors of the vehicle by actuating the inner locking handles once a window pane has been broken in. The parts of the actuator cannot be subjected to high forces when the inner locking handles are actuated. Finally, the doors may be unlocked from the outside even when the anti-theft protection is in force. For that purpose, a second bolt may be coupled to the first bolt by a catch movably guided on one of the bolts transversely to the direction of movement of the bolt. When loaded by a spring, the catch engages the other bolt, and it can be moved back by a second electromotor against the loading force of the spring from the coupling position in which it engages the other bolt into an anti-theft position, by means of a control element. In said position, the catch, together with the bolt up on which it is guided, can be moved away from the control element.

IPC 1-7

E05B 47/00; **E05B 65/20**; **E05B 65/36**

IPC 8 full level

E05B 47/00 (2006.01); **E05B 65/12** (2006.01); **E05B 65/20** (2006.01); **E05B 65/36** (2006.01); **E05B 81/24** (2014.01); **E05B 85/02** (2014.01)

CPC (source: EP US)

E05B 81/25 (2013.01 - EP US); **E05B 85/02** (2013.01 - EP US); **Y10S 292/03** (2013.01 - EP US); **Y10S 292/23** (2013.01 - EP US); **Y10T 70/5889** (2015.04 - EP US); **Y10T 70/65** (2015.04 - EP US); **Y10T 70/7062** (2015.04 - EP US); **Y10T 70/7113** (2015.04 - EP US); **Y10T 292/1021** (2015.04 - EP US)

Designated contracting state (EPC)

ES FR GB IT SE

DOCDB simple family (publication)

DE 4125448 A1 19930204; **DE 4125448 C2 20031106**; BR 9205361 A 19931116; EP 0551491 A1 19930721; EP 0551491 B1 19951004; ES 2078058 T3 19951201; JP H06502234 A 19940310; US 5453671 A 19950926; WO 9303245 A1 19930218

DOCDB simple family (application)

DE 4125448 A 19910801; BR 9205361 A 19920729; EP 9201719 W 19920729; EP 92916936 A 19920729; ES 92916936 T 19920729; JP 50325193 A 19920729; US 3900593 A 19930513